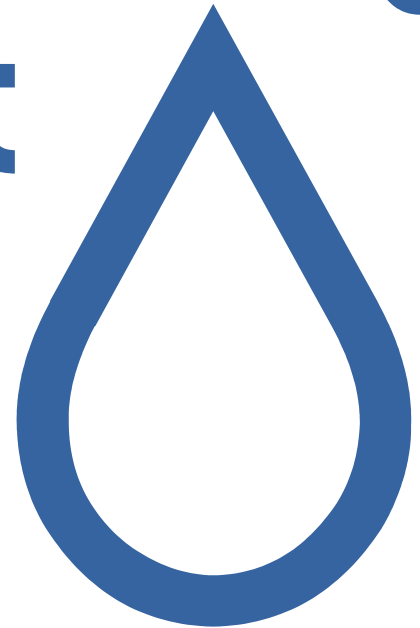




Santa Clara Valley Water District

Water Sustainability
In Silicon Valley



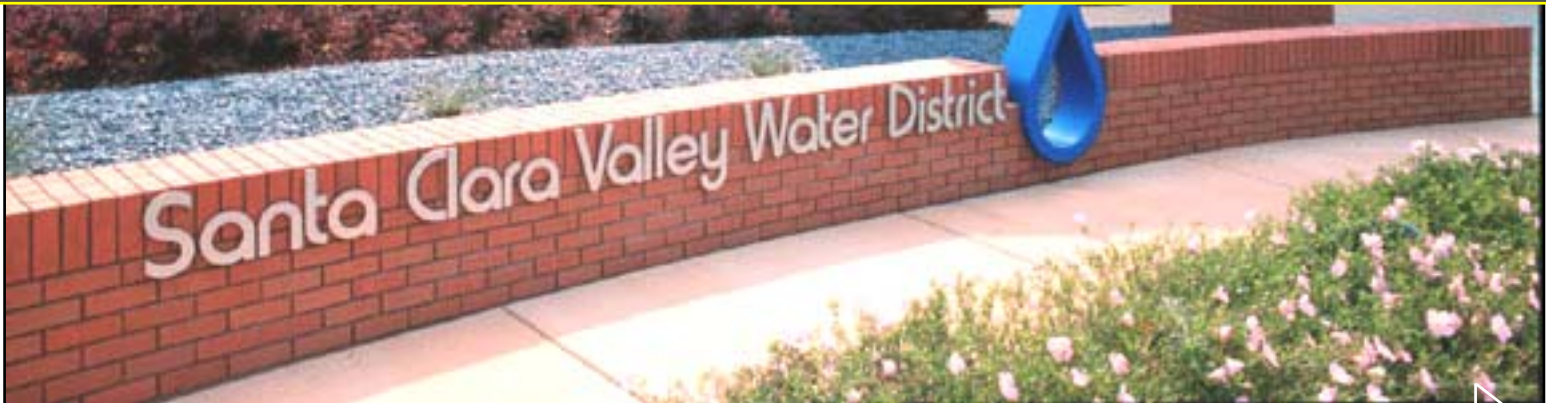
SCVWD Three Point Mission



Clean, safe, reliable water

Healthy creek ecosystems

Protection from floods



Summary of Key Board Policies

- The Water Supply is reliable to meet current and future demands.
- There are a variety of supply sources.
- The Groundwater Basins are aggressively protected...
- Water recycling is expanded in partnership with the community...
- Watersheds, streams, and natural resources are protected...

Sustainability is in our Roots



1929

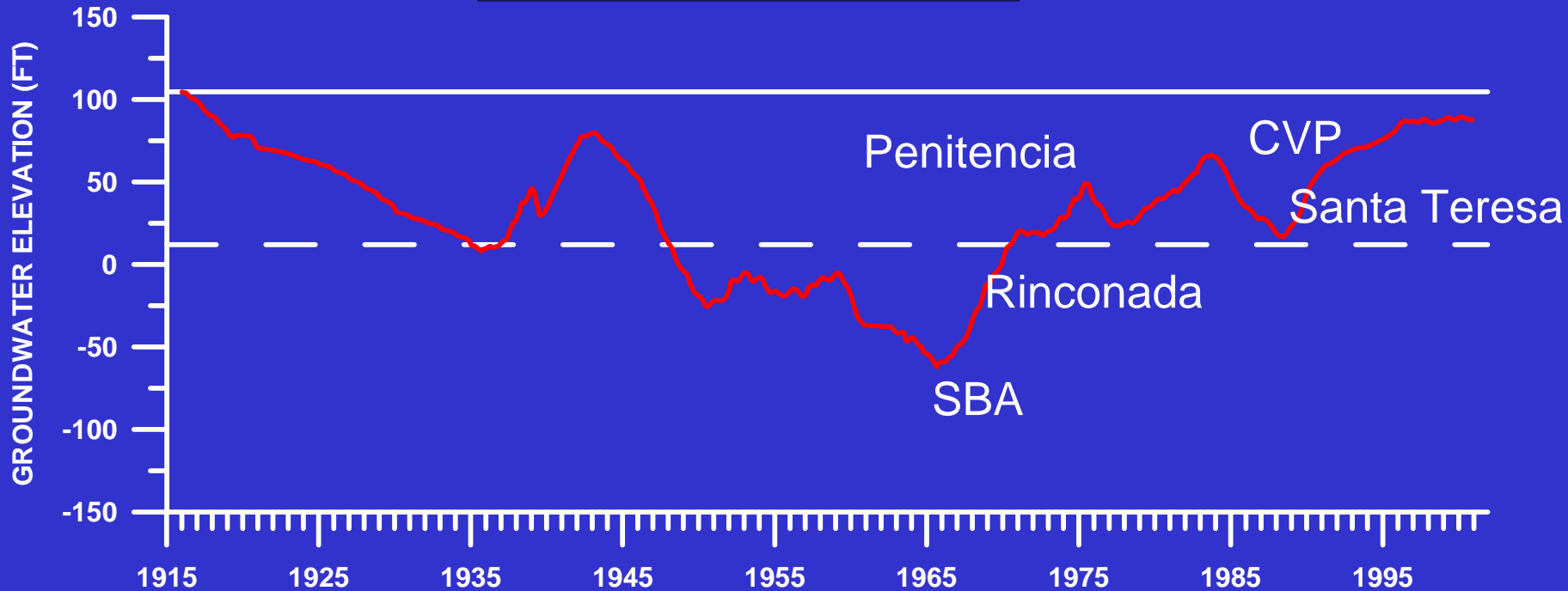


Conjunctive Use

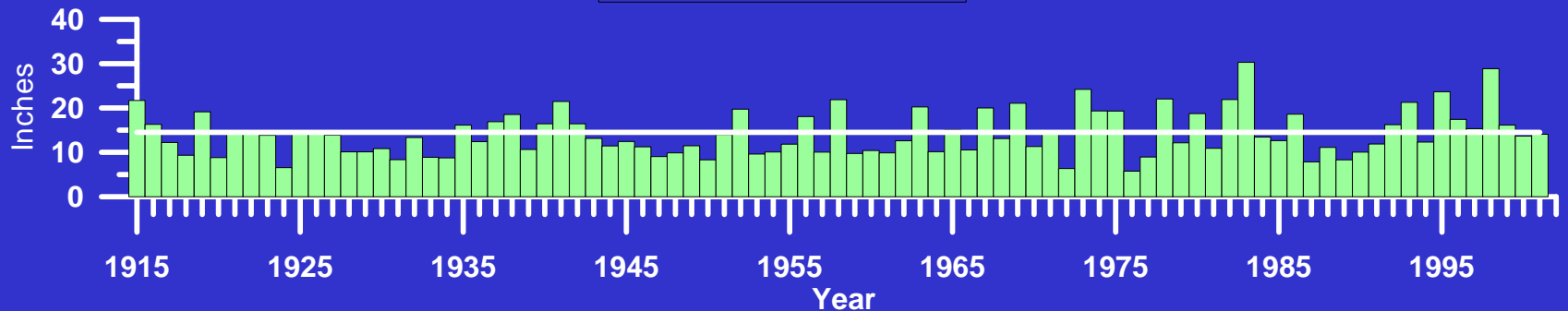


SCVWD Groundwater History

SANTA CLARA SUBBASIN INDEX WELL



San Jose Annual Rainfall



Variety of Water Supply Sources

Imported



***Local surface and
groundwater***

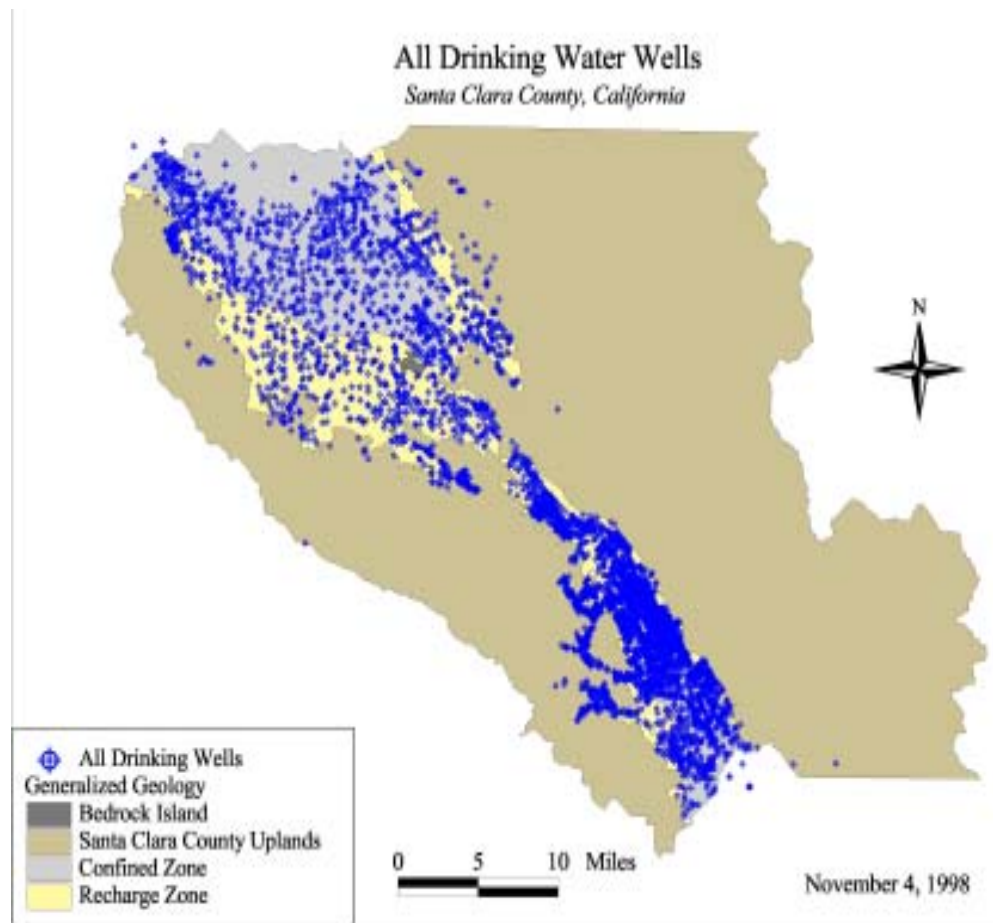


Recycled



Groundwater Protection is Critical

- Basins provide up to 60% of the county's water supply
- Sole source aquifer in South County
- Basins store and transmit water efficiently
- Basins provide drought protection and emergency back-up

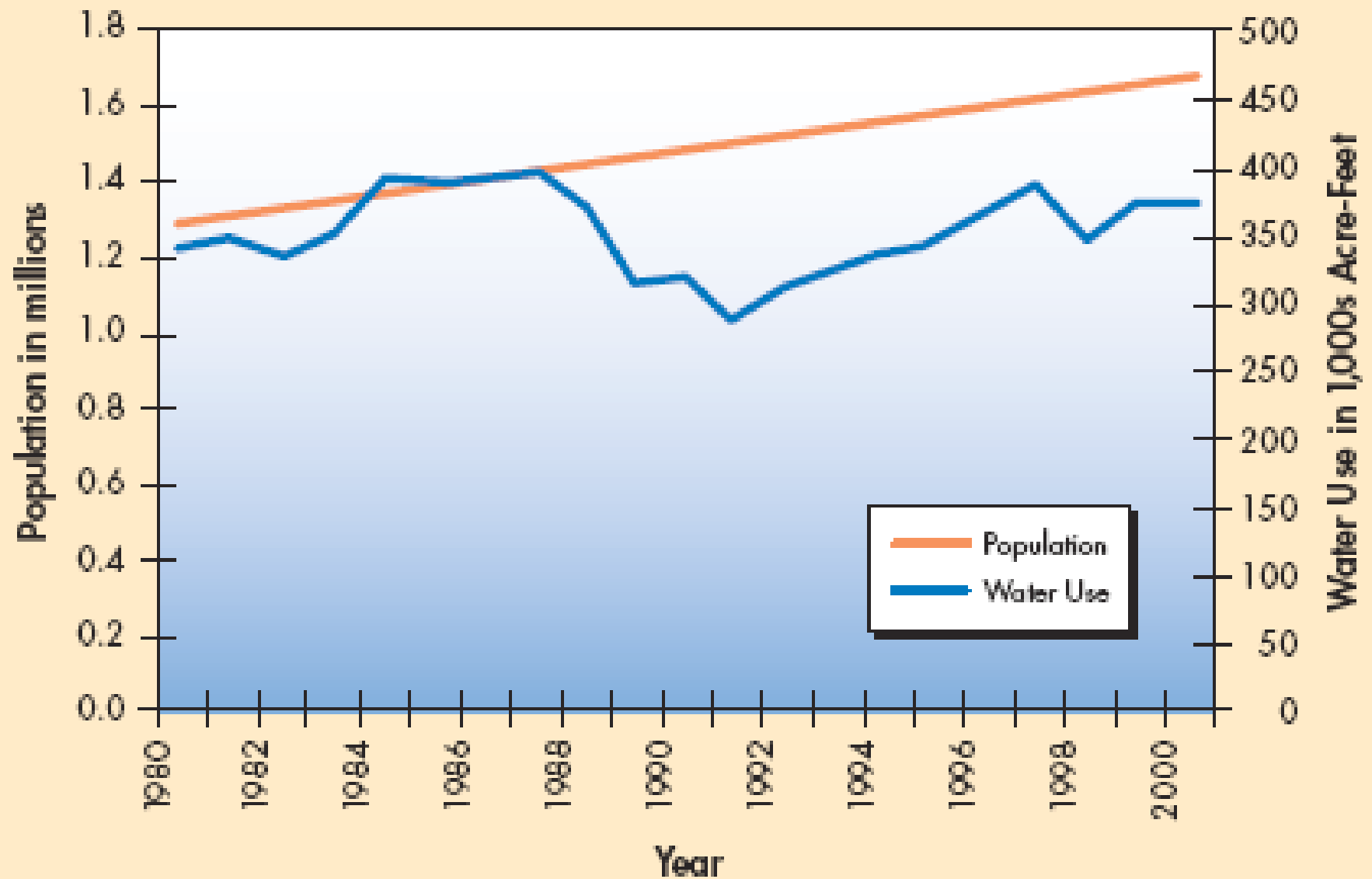


Environmental Stewardship

- Fisheries and Aquatic Habitat Collaborative Effort in Santa Clara County
- The addition of Environmental Stewardship to the District's Mission



Historical Water Use and Population *Figure 1-1*



Water Conservation – New Technology

Landscape Area Measurements - Water Use Budgets:

- Utilizes multi-spectral imagery
- Web-based water budget database



Water Conservation – New Technology

Weather Based Irrigation Controllers:

- Automatically updated
- Utilizes historical or real-time weather data
- Residential and Commercial sites



Agricultural Water Conservation

Mobile Lab Program:

- Incentives for farmers
- Merged with In-Field Nutrient Assessment Program
- Nominated for Claire Hill award
- Regional (multiple counties)



Recycled Water

- Supply available in all years
- Local and regional partnerships
- Potential cost-sharing
- Increasing public acceptance



Desalination

- Also provides supply in all years
- Promising technological advancements
- Potential cost-sharing
- Can connect to potable systems



Sustaining Our Existing Resources

Protecting what we have is Job One

- Existing Supplies
- Management Programs
- Infrastructure Integrity

“No Regrets” Investments for a Sustainable Future

- Elements include:
Conservation, recharge, water banking
water recycling commitments

Emphasize New Local Investments & Sustainability